

Development Diary 4

Identifiable Classes

- **ChangeImage Class**

Functions

- Rotate90();
- Rotate180();
- Rotate270();
- VerticalFlip();
- HorizontalFlip();
- Black&White();

Steps to Implement Code

1. Begin writing the main program to be able to open the file given and copy its contents into the main program. The array in the input file should be correctly copied over into the main program.
2. Create the ChangeImage Class in a separate file and define its functions.
3. Create a file for the declaration of the ChangeImage class which will contain function definitions. Create the first function Rotate90 and create an output file and have the changed image successfully being written to the output file. (Make sure to close the output file within the function)

4. Create an Option Menu in Main. Only add functions to menu once they are done.
5. Create the next function Rotate180 and create an output file and have the changed image successfully being written to the output file. (Make sure to close the output file within the function)
6. Create the next function Rotate270 and create an output file and have the changed image successfully being written to the output file. (Make sure to close the output file within the function)
7. Create the next function HorizontalFlip and create an output file and have the changed image successfully being written to the output file. (Make sure to close the output file within the function)
8. Create the next function VerticalFlip and create an output file and have the changed image successfully being written to the output file. (Make sure to close the output file within the function)
9. Create the next function BlackAndWhite and create an output file and have the changed image successfully being written to the output file. (Make sure to close the output file within the function)
10. Test and run each function to makes sure they are all working.
11. Check to make sure function is successfully being written to output file.
12. Run leak test to make sure there are no leaks in the program. If there are, fix them.

Reflection

I did end up using the same class that I identified at the beginning of the project. I did not have to change any of the functions either because they were correctly identified and correctly implemented in the program. I did not have to change much of my program from the original rough draft I had. The only thing that was different was that I had to move the output File to inside each function instead of doing it in the main menu.